NOTICE FOR THE AWARD OF RESEARCH GRANTS (M/F)

A tender is hereby opened for the award of one **Research Grant** (RG) under the European Project *FONDA - FOstering Nitrogen Deposition Assessment over Portugal,* com o *Grant Agreement n.º101079134* of the Department of Environment and Planning of the University of Aveiro, under the following conditions:

1. Scientific Area: Sciences and Environmental Engineering and related areas

2. Financing Source: Horizon Europe - European Commission

3. Admission Requirements: Students enrolled in a doctorate at the University of Aveiro and holders a graduation on Environmental, Physics, Meteorology, or related areas

Preference factors are: background knowledge in the field of air pollution and experience in meteorological or air quality modelling.

The proof of enrolment must be made available until the contract is awarded, and the candidate may attach a declaration of honor to confirm that they meet the requirements for enrolment in a doctoral program.

If the qualification has been conferred by a foreign higher education institution it must be **recognized by a Portuguese higher education institution**, under the terms of the provisions of article 25 of Decree-Law no. 66/2018, of August 16th, which approves the legal regime of recognition of academic degrees and diplomas of Higher Education, attributed by foreign higher education institutions, and of paragraph e) of no. 2 of article 4 of Decree-Law no. 60/2018, of August 3rd, and any formalities established therein must be fulfilled by the date of the hiring act.

4. Eligibility: Applicants are eligible if they comply with paragraph a) of no.1 of article 2, of the Research Fellow Statute in the wording given by Decree-Law no. 123/2019, of August 28th, and also the provisions of article 9 of the Scientific Research Grant Regulations of the University of Aveiro.

5. Work plan: the work to be developed is aligned with the objectives and tasks of FONDA project, namely:

- expert handling of the satellite data for assessing distributions, variability and trends across Portugal and for modelling validation;
- applications of documented, proven approaches for the combined exploitation of air quality (AQ) modelling system and earth observation data for Portugal;
- further development of the ammonia satellite data assimilation strategies for AQ modelling.

6. Applicable legislation and regulations: Research Fellow Statute, as amended by Decree-Law No. 123/2019, of August 28th; Scientific Research Grant Regulation of the University of Aveiro, Regulation No. 292/2020, published in Diário da República No. 61, Series II, of March 26th; Decree-Law No. 66/2018, of August 16th (Legal regime of recognition of academic degrees and diplomas of higher education awarded by foreign higher education institutions).

7. Workplace: The work will be carried out at the Department of Environment and Planning of the University of Aveiro, Portugal under the scientific supervision of Doctor Alexandra Monteiro, in collaboration with the project participant Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO.

8. Duration of the grant(s): The grant duration will be 12 months, starting in April, 1st 2023, and may be renewed up to the maximum limit of approved funding. Under no circumstances shall it exceed the limits defined in nos. 5 and 6 of article 9, of Regulation no. 292/2020, of February 28th, published in Diário da República, no. 61, Series II, of March 26th (Scientific Research Grant Regulation of the University of Aveiro).

9. Amount of monthly maintenance allowance: The amount of the grant corresponds to €1,144.64, according to the table of values of monthly maintenance allowances, set out in *Appendix III of the* Scientific Research Grant Regulation of the University of Aveiro, subject to any updates that may occur and are applicable. The fellow may also be reimbursed for the amount corresponding to the Voluntary Social Security, in case of adherence to this plan. Additionally, this fellow includes the payment of the tuition fee for doctoral degree.

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10. Selection methods: The selection methods to be used will be the following:
Documentary curriculum assessment according to the following criteria and weightings: i) suitability and merit of the candidate's CV, taking into account the scientific area of the call and the proposed work plan; knowledge and experience in the areas of atmospheric pollution and/or meteorology (30%); ii) proven experience in meteorological and/or air quality modelling at urban scale, in a linux environment, data processing using geographic information systems and programming in python, matlab or R language (40%); iii) english verbal and written communication skills and aptitude to perform literature reviews and writing of scientific articles (30%).

An interview will be performed, by videoconference, to the candidates with a classification superior to 15 values (0-20 scale), in case it exists more than one candidate with this classification. This interview aims to assess the veracity of the information delivered by the candidates, their personal competences indispensable for teamwork, their autonomy and motivation, as well as their communication capacities (including English knowledge).

In this case, the final evaluation results from the following weighting: curriculum evaluation, 80%, Interview, 20%. The jury reserves the right not to fill the position in case no candidate fulfills the required profile. All applicants will be informed by email.

11. Composition of the Selection Jury: Chair: Doctor Maria Alexandra Castelo Sobral Monteiro, Auxiliary Researcher with Habilitation. Full members: Doctor Ana Isabel Couto Neto da Silva Miranda, Full Professor and Joana Cardoso Ferreira, Auxiliary Researcher; Alternate Members: Doctor Myriam Alexandra dos Santos Batalha Dias Nunes Lopes, Associate Professor, and Doctor Vera Augusta Moreira Rodrigues, Junior Researcher, all from the University of Aveiro.

12. Deadline for applications and how to submit applications: The call is open from 3rd to 28th of February. 2023, and only applications submitted within the deadline will be admitted.

Applications must be formalized by sending a letter of application accompanied by the following documents:

a) Application form for research grants, available at Research fellows - sgrh - Universidade de Aveiro (ua.pt);
b) Curriculum Vitae;
c) Certificates of qualifications;
d) Motivation Letter;
e) Declaration of honor certifying that the candidate meets the requirements for enrolment in a doctoral program at the University of Aveiro;
f) Other supporting documents deemed relevant.

They shall also indicate the e-mail address to which by such indication they accept to be notified for all purposes within this procedure.

Applications should be sent by e-mail to dao-bolsaseconcursos@ua.pt, with Cc to alexandra.monteiro@ua.pt.

13. Form of publication/notification of results: The results of the evaluation shall be made public no later than 60 working days after the closing date for submission of applications and shall be notified to the applicants. The candidates are informed, in a prior hearing, under the terms established in the Code of Administrative Procedure, of the probable meaning of the final decision, and may, within 10 working days of this notification, express their opinion on this decision. The final results may be appealed to the Rector, to be submitted within 10 working days from the respective notification.

14. Tender duration: The final ranking list of candidates will be valid until September 30th, 2023 for the purpose of constituting a reserve list for selection.

The models of the grant contract and of the final report to be prepared by the grant holder and the supervisor are available at Research fellows - sgrh - Universidade de Aveiro (ua.pt).

University of Aveiro, 01/02/2023

(Doutora Alexandra Monteiro- Coordinator

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